

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for refining 2,6-naphthalene dicarboxylic acid comprising recrystallizing ~~the~~ an amine salt of 2, 6-naphthalene dicarboxylic acid using a solvent comprising a protic polar solvent selected from the group consisting of an alcohol, water, and a mixture thereof, and an acetate; and

deaminating the amine salt of 2, 6-naphthalene dicarboxylic acid to yield the refined 2, 6-naphthalene dicarboxylic acid.

2. (Currently Amended) ~~The~~ A method for refining 2, 6-naphthalene dicarboxylic acid ~~of claim 1, further~~ comprising

(a) adding an amine to crude 2, 6-naphthalene dicarboxylic acid to form a mixture;

(b) dissolving the mixture of (a) in a protic polar solvent selected from the group consisting of an alcohol, water, and a mixture thereof to obtain an amine salt solution of 2, 6-naphthalene dicarboxylic acid;

(c) filtering the amine salt solution of (b) to form a filtrate, adding an acetate to the filtrate, and cooling the filtrate to obtain an amine salt crystal of 2, 6-naphthalene dicarboxylic acid; and

(d) filtering and heating the amine salt crystal of 2, 6-naphthalene dicarboxylic acid of (c) to deaminate the salt.

3. (Currently Amended) ~~The~~ A method for refining 2, 6-naphthalene dicarboxylic acid ~~of claim 1, further~~ comprising

(a) adding an amine to crude 2, 6-naphthalene dicarboxylic acid to form a mixture;

(b) adding a mixed solvent comprising a protic polar solvent selected from the group consisting of an alcohol, water, and a mixture thereof, and an acetate to the mixture of (a) and then dissolving the mixture by heating to obtain an amine salt solution of 2, 6-naphthalene dicarboxylic acid;

(c) cooling the amine salt solution of (b) to room temperature to obtain an amine salt crystal of 2, 6-naphthalene dicarboxylic acid; and

(d) filtering, heating, and drying the amine salt crystal of 2, 6-naphthalene dicarboxylic acid of (c) to deaminate the salt.

4. (Currently Amended) ~~The~~ A method for refining 2, 6-naphthalene dicarboxylic acid of claim 1, further comprising

(a) adding an amine to crude 2, 6-naphthalene dicarboxylic acid to form a mixture;

(b) adding a mixed solvent comprising a protic polar solvent selected from the group consisting of an alcohol, water, and a mixture thereof, and an acetate to the mixture of (a) and then dissolving the mixture by heating to obtain an amine salt solution of 2, 6-naphthalenedicarboxylic acid;

(c) filtering the amine salt solution of (b) at a high temperature to form a filtrate and then cooling the filtrate to room temperature to obtain an amine salt crystal of 2, 6-naphthalenedicarboxylic acid; and

(d) filtering, heating, and drying the amine salt crystal of 2, 6-naphthalenedicarboxylic acid of (c) to deaminate the salt.

5. (Currently Amended) The method for refining 2, 6-naphthalene dicarboxylic acid of claim [[1]] 2, wherein in said protic polar solvent, an alcohol and water are used in a ratio of 1: 1 to 100: 1 by weight.

6. (Currently Amended) The method for refining 2, 6-naphthalene dicarboxylic acid of claim [[1]] 2, wherein said protic polar solvent and acetate are used in a ratio of 1: 1 to 1: 20 by weight.

7. (Currently Amended) The method for refining 2, 6-naphthalene dicarboxylic acid of claim 2, wherein said dissolution of the mixture is carried out at a temperature within the range ~~of 25-150°C~~ of 25-150°C, and the cooling is carried out at a temperature within the range ~~of 10-50°C~~ of -10-50°C.

8. (Currently Amended) The method for refining 2, 6-naphthalene dicarboxylic acid of claim 3, wherein said dissolution of the mixture is carried out at a temperature within the range ~~of 25-150°C~~ of 25-150°C, and the cooling is carried out at a temperature within the range ~~of 10-50°C~~ of -10-50°C.

9. (Currently Amended) The method for refining 2, 6-naphthalene dicarboxylic acid of claim 4, wherein said dissolution of the mixture is carried out at a temperature within the range ~~of 25-150°C~~ of 25-150°C, and the cooling is carried out at a temperature within the range ~~of 10-50°C~~ of -10-50°C.

10. (New) The method for refining 2, 6-naphthalene dicarboxylic acid of claim 3, wherein in said protic polar solvent, an alcohol and water are used in a ratio of 1: 1 to 100: 1 by weight.

11. (New) The method for refining 2, 6-naphthalene dicarboxylic acid of claim 3, wherein said protic polar solvent and acetate are used in a ratio of 1: 1 to 1: 20 by weight.

12. (New) The method for refining 2, 6-naphthalene dicarboxylic acid of claim 4, wherein in said protic polar solvent, an alcohol and water are used in a ratio of 1: 1 to 100: 1 by weight.

13. (New) The method for refining 2, 6-naphthalene dicarboxylic acid of claim 4, wherein said protic polar solvent and acetate are used in a ratio of 1: 1 to 1: 20 by weight.